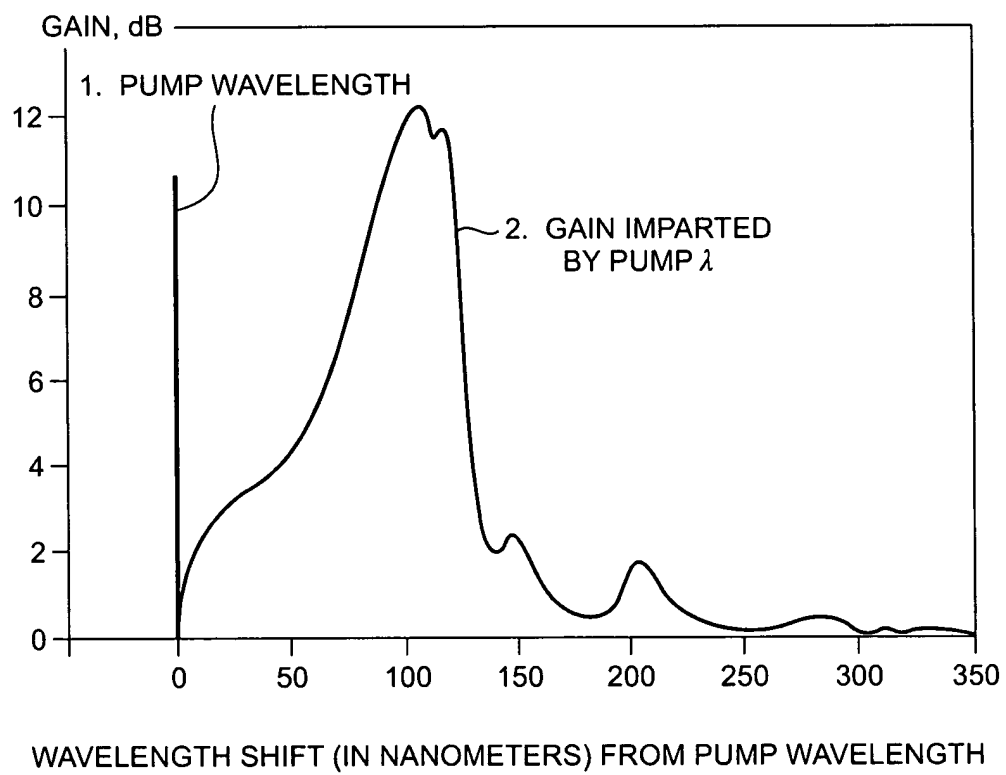


FIG. 1



TYPICAL RAMAN GAIN SPECTRUM

FIG. 2

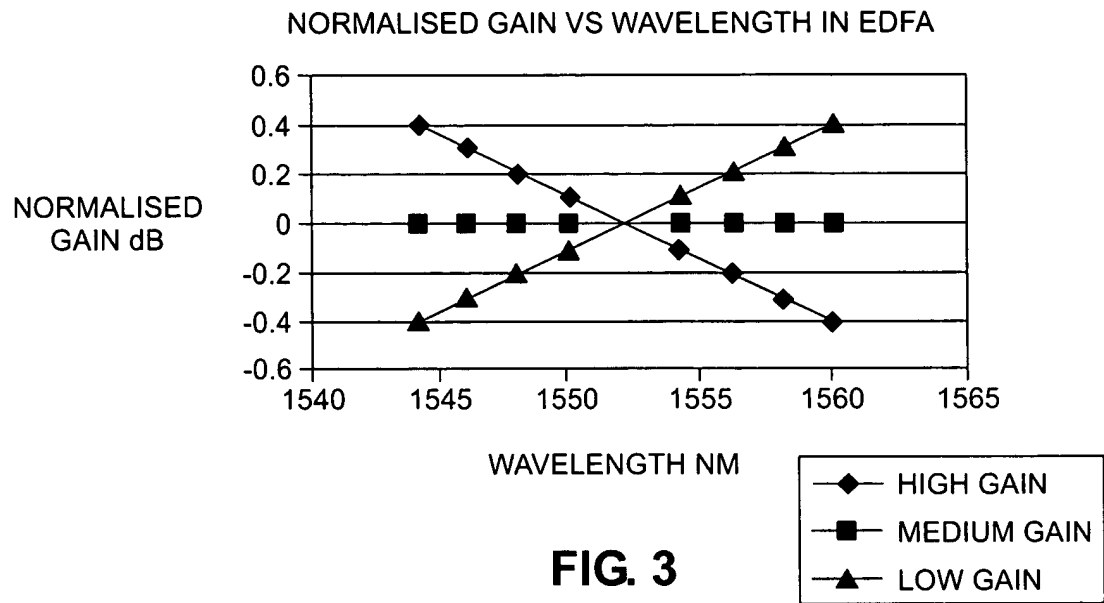


FIG. 3

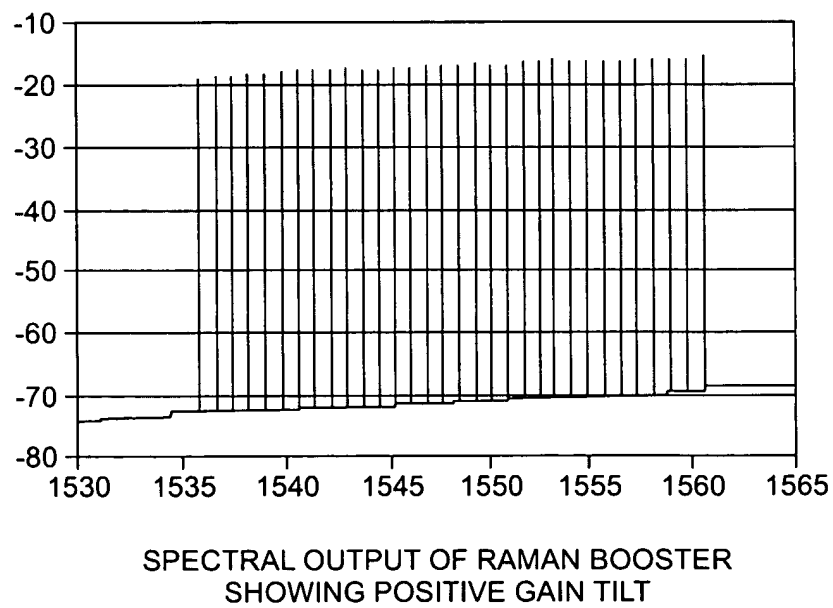
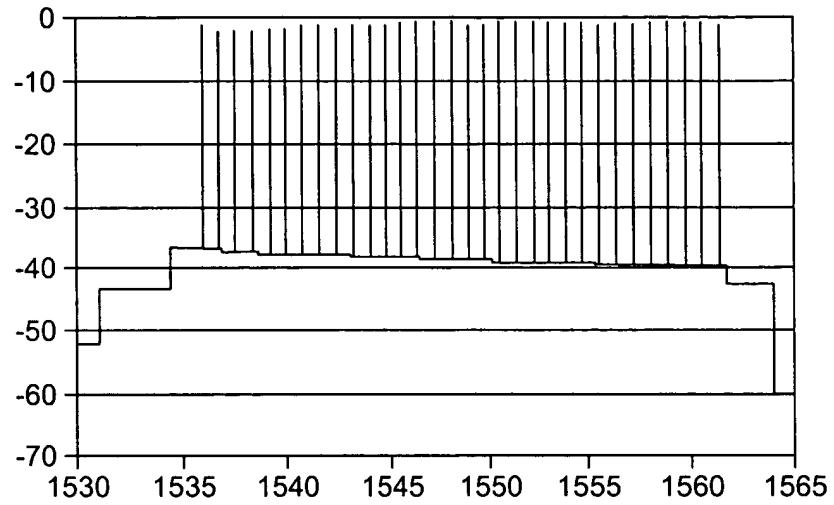
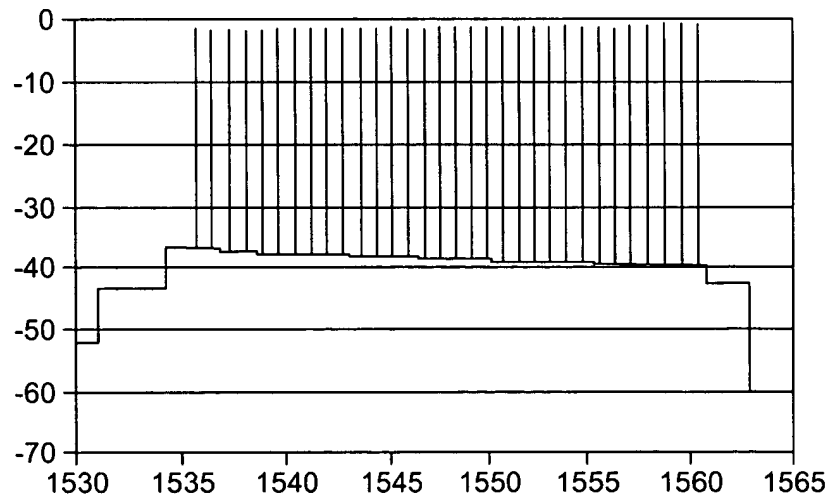


FIG. 4



SPECTRAL OUTPUT OF FIRST EDFA REPEATER
SHOWING NEAR-FLAT GAIN TILT

FIG. 5



SPECTRAL OUTPUT OF SECOND EDFA REPEATER
SHOWING FLAT GAIN TILT

FIG. 6